|  |                 |          |               |          |                   |        |                    |              |       |           |          |                      |         | Application No.   |                     |                 |          |                |       |           |            |          | Applicant(s) |          |          |          |          |          |             |
|--|-----------------|----------|---------------|----------|-------------------|--------|--------------------|--------------|-------|-----------|----------|----------------------|---------|-------------------|---------------------|-----------------|----------|----------------|-------|-----------|------------|----------|--------------|----------|----------|----------|----------|----------|-------------|
|  | Index of Claims |          |               |          |                   |        |                    |              |       |           |          |                      |         | 09/681,374        |                     |                 |          |                |       |           |            |          | SUN ET AL.   |          |          |          |          |          |             |
|  |                 |          |               |          |                   |        |                    |              |       |           |          |                      |         |                   | Examiner            |                 |          |                |       |           |            |          |              | Art Unit |          |          |          |          | <del></del> |
|  |                 |          |               |          |                   |        |                    |              |       |           |          |                      |         |                   | Peter J Macchiarolo |                 |          |                |       |           |            |          | 2879         |          |          |          |          |          |             |
|  | (Through numera |          |               |          |                   |        |                    |              |       |           |          |                      |         |                   |                     |                 |          |                |       |           |            |          |              |          |          |          | $\neg$   |          |             |
|  |                 |          |               |          | r Rejected        |        |                    | <u>-   '</u> |       | Cancelled |          |                      | era     |                   |                     | N               | N        | on-E           | lec   | ted       | ted        |          |              | Appeal   |          |          |          |          |             |
|  |                 |          |               | Allowed  |                   |        |                    | + Restric    |       |           | cted     |                      |         |                   | ı                   | Interference    |          |                | nce   |           | 0          | Objected |              |          |          |          |          |          |             |
|  | Claim           |          |               | Date     |                   |        |                    |              | Claim |           |          |                      | Date    |                   |                     |                 |          |                | Claim |           |            | Date     |              |          |          |          | _        |          |             |
|  | 78              | ā        | ğ             |          |                   |        |                    |              | Ta E  |           |          |                      |         |                   |                     |                 |          |                | - E   | <u> </u>  |            |          |              |          |          |          |          |          |             |
|  | Final           | Original | 10/5/04       |          |                   |        |                    | Ì            |       | Final     | Original |                      |         |                   |                     |                 |          |                |       | Fha       | Original   | .        |              |          |          |          | ŀ        |          |             |
|  |                 | 1        | -             | 丰        | Ħ                 |        |                    | 7            |       |           | 51       |                      | 1       | #                 |                     |                 | ⇉        | #              |       |           | 101        | П        | _            |          |          | $\Box$   | 1        |          |             |
|  |                 | (P)<br>3 | •             | +        | H                 | +      | Н                  | +            | -     | -         | 52<br>53 | Н                    | ╁       | ╁                 | Н                   | $\dashv$        | $\dashv$ | +              | -     | $\vdash$  | 102        | Н        | ┰            | +        | H        | $\dashv$ | ╁        | ╁        |             |
|  |                 | 4        | r             | 工        |                   |        |                    | ゴ            |       |           | 54       | 口                    | #       |                   |                     | $\Box$          |          | 1              | ]     |           | 104        |          | 1            |          | $\Box$   |          | $\bot$   |          |             |
|  |                 | 5<br>6   | 1             | -        | ╂╌┼               |        | Н                  | +            | -     |           | 55<br>56 | H                    | +       | ┿                 | Н                   | $\dashv$        | $\dashv$ | +              | -     | <u> </u>  | 105<br>106 | Н        | +            | +        | ┦        | $\dashv$ | +        | ╫        |             |
|  |                 | 1        | -             | +        | ╁┼                | +      | H                  | ╅            | -     | _         | 57       | H                    | ╅       | +                 | Н                   | Н               | ᅥ        | ╅              | -     | -         | 107        | $\vdash$ | 十            | ╅        | ╁┤       | $\dashv$ | +        | ╁        |             |
|  |                 | 4        | •             |          |                   |        |                    | $\Box$       |       |           | 58       | П                    | I       | 工                 |                     |                 |          |                |       |           | 108        |          | 1            | I        |          | $\Box$   |          |          |             |
|  |                 | 10       | -             | +        | ╂-+               | ┿      | $\vdash \vdash$    | $\dashv$     | - ::  | <u> </u>  | 59<br>60 | $\vdash$             | +       | ╇                 | Н                   | $\dashv$        | $\dashv$ |                | -     | <u> </u>  | 109        | Н        | +            | ┿        | ╀┦       | $\vdash$ | +        | ╀        |             |
|  |                 | 11       | -             | +        | ++                | +-     | H                  | 十            | -     |           | 61       | ╁                    | +       | +                 | Н                   | H               | -        | 十              | 1     | -         | 111        | Н        | $\dashv$     | 十        | H        | $\vdash$ | ╅        | ╈        |             |
|  |                 | 12       | •             |          |                   |        |                    | コ            |       |           | 62       | П                    | T       | $\bot$            |                     |                 |          | 1              | ]     |           | 112        | П        | $\Box$       | 工        | П        |          | $\perp$  | 1        |             |
|  |                 | 13       | -             | -        | ╄                 |        | Н                  | +            | -     |           | 63<br>64 | ╌┼                   | ╌       | ┿                 | Н                   | $\dashv$        | ┥        | +              | -     |           | 113<br>114 | Н        | ╅            | ╁        | +        | $\vdash$ | +        | ╁╴       |             |
|  |                 | 15       | H             | 十        | +                 | +-     | H                  | $\dashv$     |       |           | 65       | H                    | +       | +                 |                     | $\dashv$        |          | $\perp$        | ]     |           | 115        | $\Box$   | 十            | $\perp$  | Н        |          | $\top$   | +        |             |
|  |                 | 16       | -             |          |                   |        |                    | $\exists$    |       |           | 66       | П                    | T       | I                 |                     |                 |          | 4              |       |           | 116        |          | 7            | $\bot$   |          |          |          | I        |             |
|  |                 | 17       | 7             |          | ╂╼┼               | ┿      | Н                  | $\dashv$     | -     |           | 67<br>68 | ╌┼                   |         | +-                | $\vdash$            | $\dashv$        | ┥        | +              | -     | -         | 117<br>118 | Н        | ┽            | ╬        | +        | -        | +        | ╫        |             |
|  |                 | 19       | 7             | _        | ++                | _      | Н                  | 1            |       |           | 69       | Н                    | $\top$  | T                 | Н                   | H               |          | $\pm$          |       |           | 119        |          |              |          |          | $\Box$   | $\top$   | T        |             |
|  |                 | 20       | 1             |          |                   |        | $\Box$             |              |       |           | 70       | П                    | $\Box$  |                   |                     |                 |          | $\blacksquare$ | ]     |           | 120        |          | $\bot$       | T        | П        |          | $\bot$   | I        | •           |
|  |                 | 21       | -             |          | +                 | +      | Н                  | -            | -     |           | 71<br>72 | $\vdash$             | +       | +                 | Н                   | Н               | $\dashv$ | +              | -     |           | 121        | ╂╼┨      | -            | +        | +        | $\dashv$ | +        | +        |             |
|  |                 | 23       | -             | +        | ++                | +      | Н                  | +            |       |           | 73       | H                    | +       | ╁                 | Н                   | $\dashv$        | $\neg$   | +              | ۱     | $\vdash$  | 123        | H        | +            | +        | Н        | $\dashv$ | +        | +        |             |
|  |                 | 2        | 三             |          |                   |        |                    | $\Box$       |       |           | 74       | П                    | 1       |                   |                     |                 |          | $\perp$        |       |           | 124        |          | $\Box$       | I        | П        | $\Box$   | $\perp$  | oxday    |             |
|  |                 | 20 20    | -             | +        | ++                | +      | ┝                  | $\dashv$     | -     |           | 75<br>76 | ${oldsymbol{arphi}}$ | +       | +                 | Н                   | Н               | $\dashv$ | +              | -     |           | 125<br>126 | Н        | +            | +        | +        | $\vdash$ | +        | ╁        |             |
|  |                 | 27       | $\exists$     | $\dashv$ | ++                | +      | Н                  | 十            | -     |           | 77       | H                    | +       | +                 | H                   | H               | ┪        | 十              | -     | <b>—</b>  | 127        | H        | ╅            | +-       | Н        | H        | +        | 十        |             |
|  |                 | 28       |               |          |                   |        |                    |              |       |           | 78       |                      |         |                   |                     |                 |          |                |       |           | 128        |          | $\Box$       |          |          |          |          |          |             |
|  |                 | 29       | $ \cdot $     | +        | ++                |        | Н                  | -            | -     | _         | 79<br>80 | $\vdash$             | +       | +                 | Н                   | Н               | _        | +              | -     |           | 129<br>130 | Н        | +            | -        | ╂╌┨      |          | +        | ╂-       |             |
|  |                 | 3D<br>31 | $\dot{\cdot}$ |          | ╁╾┼               | +      | H                  | $\dashv$     | -     |           | 81       | -                    | +       | ┿                 | Н                   | Н               | ┪        | -              | -     | -         | 131        | Н        | +            | +-       | H        | -        | +        | ╁╴       |             |
|  |                 | 32       | $\Box$        | 上        |                   |        |                    |              |       |           | 82       |                      |         |                   |                     |                 |          | 1              |       |           | 132        |          |              |          |          |          |          |          |             |
|  |                 | 33       | $\exists$     |          | $\bot \bot$       | _      | Щ                  | 4            | 40    |           | 83       | $\vdash \vdash$      | 4       | +-                | Ш                   | Ц               | _        | +              | -     | <u> </u>  | 133        | Н        | -            | +        | $\sqcup$ | $\dashv$ | 4        | ╄        |             |
|  |                 | 35       | $\vdash$      |          | ++                | +      | Н                  | ╅            | -     |           | 84<br>85 | ┝╌┼                  |         | ╌                 | Н                   | $\dashv$        | -        | +              | -     |           | 134<br>135 | Н        | $\dashv$     | +        | H        | $\vdash$ | $\dashv$ | ╁        |             |
|  |                 | 36       | ⅎ             |          | 11                |        |                    |              |       |           | 86       |                      | 1       |                   |                     |                 |          | $\perp$        |       |           | 136        |          | 土            | İ        |          |          |          |          |             |
|  |                 | 37       | $\exists$     | $\bot$   | $\Box$            |        | П                  | Ţ            | 4     |           | 87       | П                    | $\perp$ | $oldsymbol{\Box}$ | П                   | $\Box$          | $\beth$  | T              | -     |           | 137        | П        | 4            | T        | П        | Д        | $\bot$   | oxdot    |             |
|  | _               | 38<br>39 | $\vdots$      | +        | +-+               | +      | $\vdash$           | $\dashv$     | -     | _         | 88<br>89 | ┝╌┼                  | +       | +-                | Н                   | H               | -        | +              | -     | <u> -</u> | 138<br>139 | ╁┤       | +            | ╁        | +        | $\dashv$ | +        | +        |             |
|  |                 | _        |               | $\pm$    |                   | 士      | Ħ                  |              |       |           | 90       | Ħ                    | 士       | 士                 |                     |                 |          | 士              |       |           | 140        |          | 士            |          |          |          | 士        | 上        |             |
|  |                 | 4        | -             |          |                   |        | П                  | $\exists$    |       |           | 91       | П                    | $\bot$  | I                 | П                   | П               |          | $\perp$        | ]     |           | 141        | П        | Ţ            | T        | П        |          | T        | Г        |             |
|  |                 | 42       | 1             | +        | ++                | +-     | ${oldsymbol{ech}}$ | $\dashv$     | -     |           | 92<br>93 | ┼┤                   | +       | +                 | Н                   | $\vdash \vdash$ | -        | +              | -     | ⊢         | 142        | Н        | +            | +        | ┼┤       | $\vdash$ | +        | +        |             |
|  |                 | 4        | ï             | $\dashv$ | $\dagger \dagger$ | $\top$ | H                  | _            | -     |           | 94       | ┢┪                   | 十       | T                 | H                   | H               | _        |                | 1     |           | 144        | H        |              | +        |          | $\Box$   | +        | T        |             |
|  |                 | 45       |               |          | $\Box$            |        |                    | コ            |       |           | 95       | 口                    | $\perp$ | I                 |                     |                 |          |                | ]     |           | 145        | П        | $\Box$       | I        |          |          | $\bot$   | $\Gamma$ |             |
|  |                 | 46       | _             | +        | ╁┼                |        | $\vdash \vdash$    | $\dashv$     | -     |           | 96<br>97 | ⊢                    | +       | ╁                 | Н                   | $\dashv$        | -        | +              | -     | $\vdash$  | 146<br>147 | Н        | +            | +        | +        | Н        |          | +-       |             |
|  |                 | 48       | dash          | +        | +-+               | ╅      | ┝┤                 | $\dashv$     | -     |           | 98       | H                    | +       | +                 | Н                   | $\dashv$        | $\dashv$ | +              | ┪     | $\vdash$  | 148        | Н        | +            | +        | H        | $\vdash$ | +        | +        |             |